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6-25-01

PATENT
Docket No. 265.0024 0101

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JUN 19 2001

TECH CENTER 1600/2900

Applicant(s): Boldogh et al.) Group Art Unit: 1632
Serial No.: 09/641,802) Examiner: unknown
Confirmation No.: unknown)
Filed: August 17, 2000)
For: USE OF COLOSTRININ, CONSTITUENT PEPTIDES THEREOF, AND
ANALOGS THEREOF TO PROMOTE NEURAL CELL DIFFERENTIATION

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington D.C. 20231

Sir:

Prior to taking up the above-identified patent application for examination, please enter the following amendments.

In The Specification

Please replace the paragraph at page 5, line 21 to line 30, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A, page A1, with notations to indicate the changes made.

A

The differentiation process of cells in the nervous system is regulated by the action of differentiation and growth factors including NGF. For example, NGF binding to its receptor tyrosine kinase, TrkA, initiates various molecular interactions including tyrosine phosphorylation of proteins and the action of the Ras/Raf/MEK/MAPK pathway (Chao, Cell, 68, 995-997 (1992); and Marshall et al., Cell, 80, 179-185 (1995)). NGF induces the production of reactive nitric oxide (NO), and NO is required for NGF-induced cytostasis and differentiation (Peunova et al., Nature, 375, 68-73 (1995)), suggesting that free radical molecules may exert a regulatory role in certain types of cellular differentiation.